

**From:** [Jeff.Keiser@CH2M.com](mailto:Jeff.Keiser@CH2M.com)  
**To:** [Saric, James](#)  
**Subject:** Area 1 FS Discussion  
**Date:** Monday, August 19, 2013 9:17:10 PM

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Jim

Received your voice mail. Sorry forgot to send the summary.

Not much to tell, we discussed the following issues:

- 1) everyone caught that they modified RAO 1 and left out sediments. See below. That is something that will need to be discussed.
- 2) Morrow was the only reference site, they left out Ceresco.
- 3) Otherwise it was a good discussion, but people were only into section 2 or so.

Let me know if you have questions

The April revised RAO you sent to Chase:  
Revised RAO 1

*Protect people who consume Kalamazoo River fish taken from Area 1 from exposure to PCBs that exceed protective levels. The RAO is expected to be progressively achieved over time by meeting the following targets for fish tissue and sediment:*

- *Reduction in the Michigan fish advisory level for smallmouth bass to two meals per month (0.11 mg/kg) total PCB concentration in fish tissue within 30 years*
- *Achievement of a non-cancer HI of 1.0 and a  $10^{-5}$  cancer risk within 30 years for the high-end sport angler (100 percent bass diet)*
- *The fish tissue goal for bass will be achieved by reducing sediment PCB SWAC in each of eight segments of the river in Area 1 to 0.33 ppm or less as soon as possible following completion of the remedial action*

As it reads in the AMEC FS:

**RAO 1: Protect people who consume Area 1 Kalamazoo River fish from exposure to PCBs that exceed protective levels.** This RAO is expected to be achieved over time to protect the population of people represented by a high-end sports angler, who consumes 100 percent of his/her diet from smallmouth bass from the Kalamazoo River. The goal of this RAO is to reduce PCB concentrations in smallmouth bass fillet within 30 years to the Michigan fish advisory level (assuming two meals per month), to a noncancer HI of 1.0, to a cancer risk of  $1 \times 10^{-5}$ , or to background.

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